

Paper # 7

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE
MATERIAL INFORMATION STATEMENT
(Use several sheets if necessary)

ATTY. DOCKET NO. OMRF106CIP SERIAL NO. 08/259,321
APPLICANT Ajreza Rezaie, et al.
FILING DATE June 10, 1994 GROUP 1806

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	IF APPROPRIATE	FILING DATE
PAJ	AA 4,506,009	03/19/85	Lenhoff, et al.				
PAJ	AB 5,147,638	09/15/92	Esmon, et al.				MAY 22 1995
PAJ	AC 5,202,253	04/13/93	Esmon, et al.				
PAJ	AD 5,298,599	03/29/94	Rezaie, et al.				
PAJ	AE 5,336,610	08/09/94	Esmon, et al.				
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	AL						
	AM						
	AN						
	AO						
	AP						

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

PAJ	AR	Beckmann, Robert J. et al. "The structure and evolution of a 461 amino acid human protein C precursor and its messenger RNA based upon the DNA sequence of cloned human liver cDNAs." <u>Nucleic Acids Res.</u> 13(14):5233-5246 (1985)
PAJ	AS	Colman, R.W. et al. Hemostasis and Thrombosis: Basic Principles and Clinical Practice 2nd Ed., p. 263 (J.B. Lippincott, Philadelphia, PA 1987)*
PAJ	AT	Daugherty, et al., <u>Nucl. Acids Res.</u> 19:2471-2476 (1991)*

EXAMINER *[Signature]* DATE CONSIDERED 8-19-95 4:23:97

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MS RA	AR	Dreyfus, Marie, et al., "Treatment of Homozygous Protein C Deficiency and Neonatal Purpura Fulminans with a Purified Protein C Concentrate," <u>New England Journal of Medicine</u> 325(22):1565-1568 (1991)
MS RA	AS	Esmon, Charles T., "The Regulation of Natural Anticoagulant Pathways," <u>Science</u> 235:1348-1352 (1987)
MS RA	AT	Esmon, Charles T., "the Roles of Protein C and Thrombomodulin in the Regulation of Blood Coagulation," <u>J. of Biol. Chem.</u> 264(9):4743-4746 (1989)
MS RA	AR	Esmon, C.T., et al., at the Joint IABS/CSL Symposium on Standardization in Blood Fractionation including Coagulation Factors, Melbourne, Australia 1986 (reported in <u>Develop. Biol. Standard.</u> , 67:51-57 (S. Karger, Basel, 1987)
MS RA	AS	Esmon, C.T., et al., at the Joint IABS/CSL Symposium on Standardization in Blood Fractionation including Coagulation Factors, Melbourne, Australia 1986 in <u>Develop. Biol. Standard.</u> 67:75-82 (S. Karger, Basel, 1987)
MS RA	AT	Freyssinet, J.M., et al., "Inhibition of Human Protein C Activation by Vitamin K-dependent Proteins. Involvement of the γ -Carboxyglutamic Acid Domain in Distinct Interactions with the Human Thrombin-Thrombomodulin Complex and Phospholipids," <u>Thrombosis and Haemostasis</u> 58(1):230 (1987)
MS RA	AR	Goding, James W., "Purification, Fragmentation and Isotopic Labelling," <u>Monoclonal Antibodies: Principles and Practices</u> 110-113 (Academic Press, Inc.) (1983)
MS RA	AS	Hendli, Sylvia, et al., "Immunoaffinity purification of protein C with a calcium-dependent monoclonal antibody," <u>Rev. Iberoamer Thromb. Hemostasis</u> 4(1):25-28 (1991)
MS RA	AT	Hongo, Tasuku, et al. <u>Cell</u> 18:559-568, (1979)*
MS RA	AR	Ikeda, Kyoichi and Johan Stenflo, "A Radioimmunoassay for Protein C," <u>Thrombosis Research</u> 39:297-306 (1985)
MS RA	AS	Kabat, H.A., et al., <u>Sequences of Proteins of Immunological Interest</u> , 4th Ed. U.S. Dept. Health and Human Services, Bethesda, MD (1987)*
MS RA	AT	Kisiel, in <u>J. Clin. Invest.</u> 64, 761-769 (1979)*
MS RA	AR	Kobilka, B.K., et al., "Chimeric α_1 - β_2 -Adrenergic Receptors: Delineation of Domains Involved in Effector Coupling and Ligand Binding Specificity" <u>Science</u> 240:1310-1316 (1988)*
MS RA	AS	Laurell, Martin, et al., "Characterization of monoclonal antibodies against human protein C specific for the calcium ion-induced conformation or for the activation peptide region," <u>FEBS Letts.</u> 191(1):75-81 (1985)
MS RA	AT	Matschiner, et al., <u>Current Advances in Vitamin K Research</u> , pp. 135-140, John W. Suttie, ed. (Elsevier Science Publishing Co., Inc. 1988)*

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AR	Max, Edward, et al, J. Biol. Chem. 256:5116-5120 (1981)*
AS	Nakamura, Satoko and Yoichi Sakata, "Immunoaffinity purification of protein C by using conformation-specific monoclonal antibodies to protein C-calcium ion complex," <u>Biochimica et Biophysica Acta</u> 925:85-93 (1987)
AT	Ohlin, Ann-Kristin and Johan Stenflo, "Calcium-dependent Interaction between the Epidermal Growth Factor Precursor-like Region of Human Protein C and a Monoclonal Antibody," <u>J. Biol. Chem.</u> 262:13798-13804 (1988)
AR	Ohlin, A. K., and J. Stenflo, "High Affinity Calcium to Domains of Protein C That are Homologous to the Epidermal Growth Factor," <u>Thrombosis and Haemostasis</u> 58(1):230 (1987)
AS	Riechmann, L., M. Clark, H. Waldmann, G. Winter, "Reshaping human antibodies for therapy," <u>Nature</u> , 332:323-327 (1988)*
AT	Seligsohn, Uri, et al., "Homozygous Protein C Deficiency Manifested by Massive Venous Thrombosis in the Newborn," <u>New England J. of Medicine</u> 310(9):559-562 (1984)
AR	Stearns, Deborah, et al., "The Interaction of a Ca ²⁺ -dependent Monoclonal Antibody with the Protein C Activation Peptide Region," <u>J. Biol. Chem.</u> 263(2):826-832 (1988)
AS	Sugo, et al., <u>Thromb. Hemost. Abstrs.</u> , Brussels, 229 (1987)*
AT	Summers, M.D. and G.E. Smith, "A manual of methods for baculovirus vectors and insect cell culture procedures," Texas Agricultural Experimental Station (1987)*
AR	Suzuki, Kobi, et al., "Monoclonal Antibodies to Human Protein C: Effects on the Biological Activity of Activated Protein C and the Thrombin-Catalyzed Activation of Protein C," <u>J. Biochem.</u> 97:127-138 (1985)
AS	Taylor, F. B., et al., "Protein C Prevents the Coagulopathic and Lethal Effects of <i>Escherichia coli</i> Infusion in the Baboon," <u>J. Clin. Invest.</u> 79:918-925 (1987)
AT	Verhoeven, M., C. Milstein, G. Winter, "Reshaping Human Antibodies: Grafting an Antivsozyme Activity," <u>Science</u> , 239:1534-1536 (1988)*
AR	Vukovich, Thomas, et al., "Replacement therapy for a homozygous protein C deficiency-state using a concentrate of human protein C and S," <u>British J. of Haematology</u> 70:435-440 (1988)
AS	Wakabayashi, et al., <u>J. Biol. Chem.</u> 261, 11097-11105 (1986)*
AT	

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